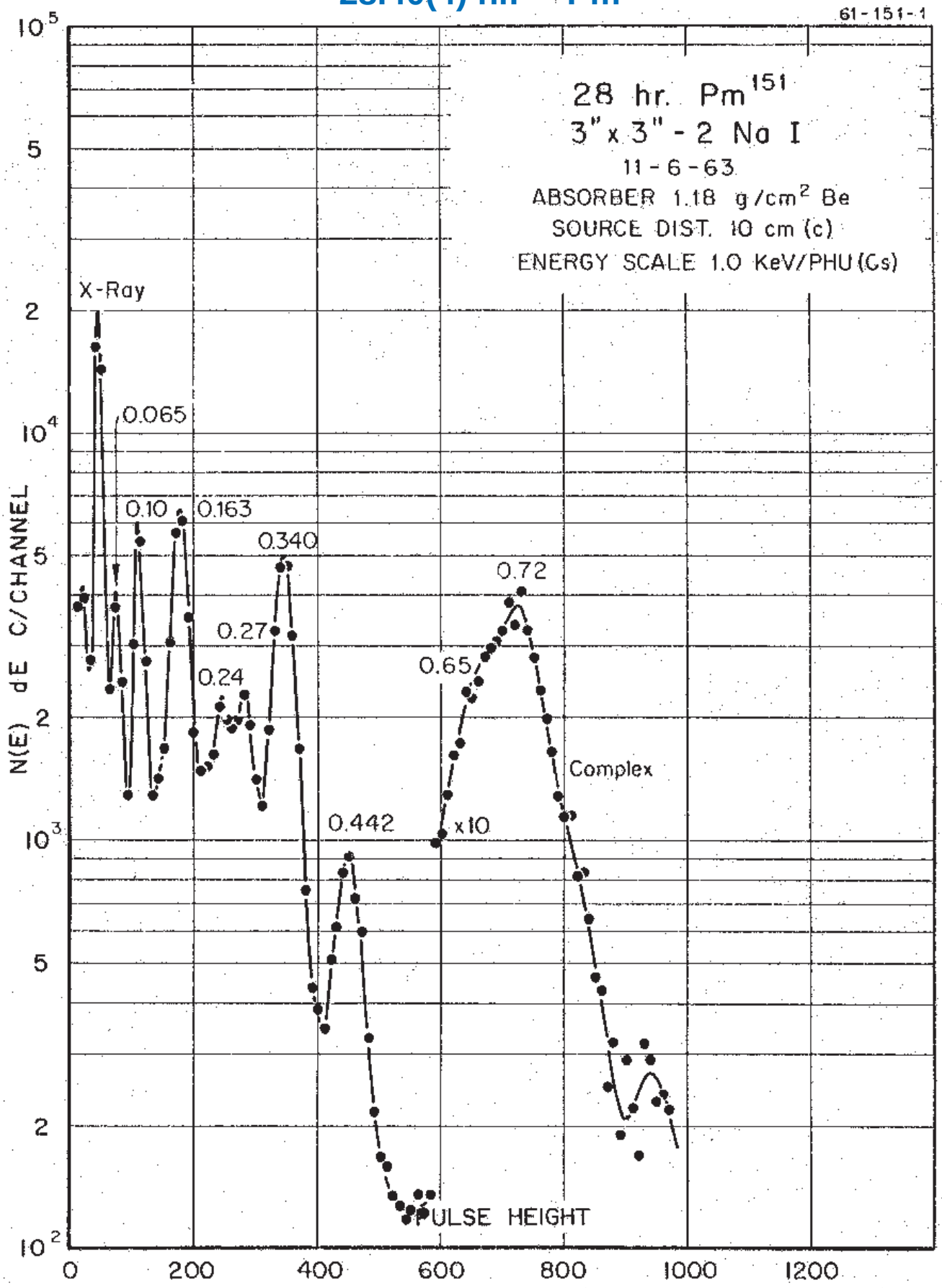
28.40(4) hr. ^{151}Pm



Decay Data

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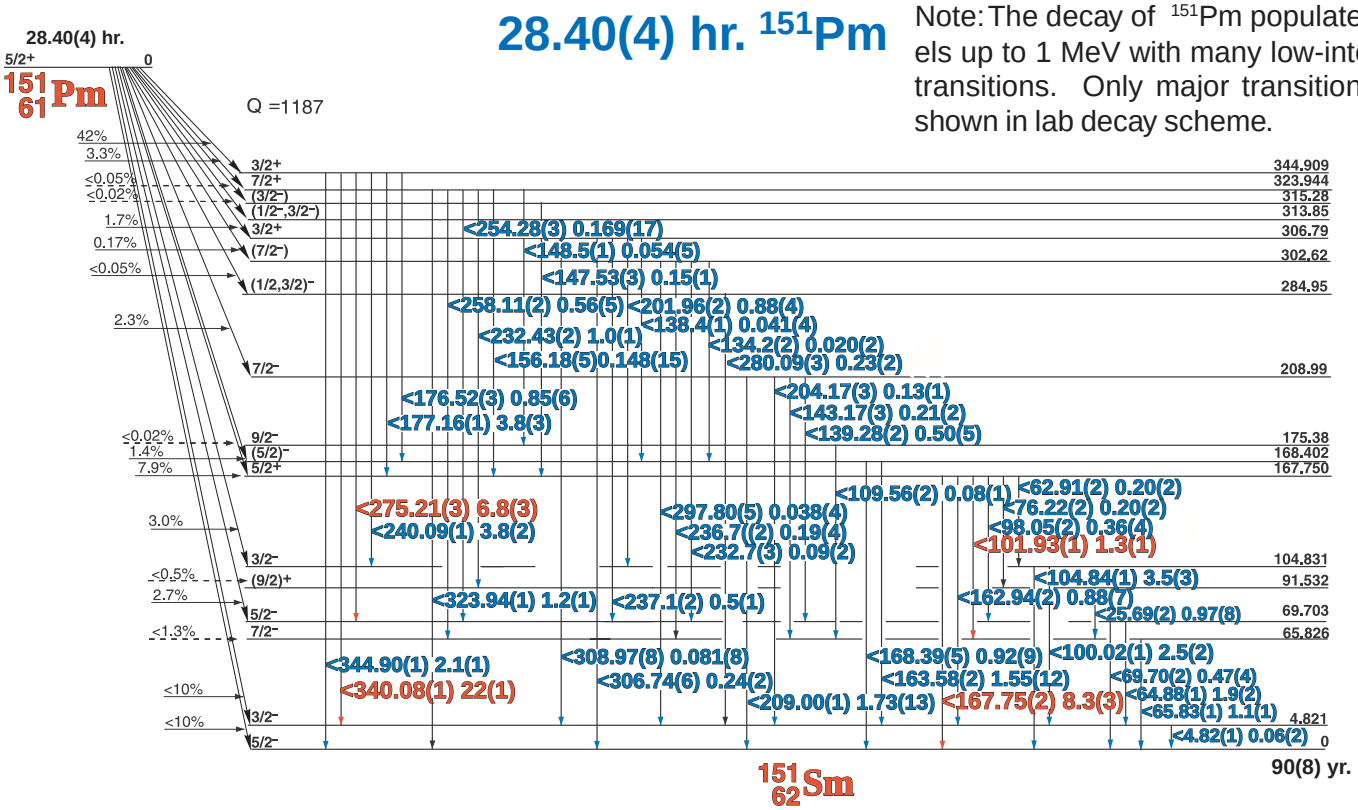
28.40(4) hr. ^{151}Pm

Note: The decay of ^{151}Pm populates levels up to 1 MeV with many low-intensity transitions. Only major transitions are shown in lab decay scheme.



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{151}**Pm** Half Life 28.40(4) hr.
Detector 3" X 3" NaI-2 Method of Production: ^{150}Nd(n,γ,β)

E_γ (KeV)[E]	ΔE_γ	I_γ(rel)	I_γ(%)[E]	ΔI_γ	S
25.69	± 0.02		0.97	± 0.08	4
64.88	± 0.01		1.9	± 0.2	3
65.83	± 0.01		1.1	± 0.1	3
69.70	± 0.02		0.47	± 0.04	4
76.22	± 0.02		0.20	± 0.02	4
98.05	± 0.02		0.36	± 0.04	3
100.02	**± 0.01**		**2.5**	**± 0.2**	**2**
101.93	± 0.01		1.3	± 0.1	3
104.84	**± 0.01**		**3.5**	**± 0.3**	**1**
139.28	± 0.02		0.50	± 0.05	3
143.17	± 0.03		0.21	± 0.02	4
147.53	± 0.03		0.15	± 0.01	4
156.18	± 0.05		0.15	± 0.01	4
162.94	± 0.02		0.88	± 0.07	3
163.58	**± 0.02**		**1.5**	**± 0.1**	**2**
167.75	**± 0.02**		**8.3**	**± 0.3**	**1**
168.39	± 0.05		0.92	± 0.09	3
176.52	± 0.03		0.85	± 0.06	3
177.16	**± 0.01**		**3.8**	**± 0.3**	**1**
204.17	± 0.03		0.13	± 0.01	3
209.00	**± 0.01**		**1.7**	**± 0.1**	**2**
232.43	± 0.02		1.0	± 0.2	3
237.1	± 0.2		0.5	± 0.1	4
240.09	**± 0.01**		**3.8**	**± 0.2**	**1**
258.11	± 0.02		0.56	± 0.05	3
275.21	**± 0.03**		**6.8**	**± 0.3**	**1**
323.94	± 0.01		1.2	± 0.1	3
340.08	**± 0.01**		**22**	**± 1.0**	**1**
344.90	± 0.01		2.1	± 0.1	3

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